



Luminaire Type: Catalog Number (autopopulated):

> Gotham Architectural Downlighting LED Downlights

4" Evo® Square Downlight

Solid-State Lighting



OPTICAL SYSTEM

- Self-flanged semi-specular, matte-diffuse finishing trim Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 55° cutoff to source and source image
- Top-down flash characteristic
- Polycarbonate lens integral to light engine

MECHANICAL SYSTEM

- 16-gauge galvanized steel construction; maximum 1-1/4" ceiling thickness
- Telescopic mounting bars maximum of 24" and minimum of 15", included, 4" vertical adjustment
- Toolless adjustments post installation
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
- Light engine and driver accessible through aperture
- Patented adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim-to-trim alignment.

ELECTRICAL SYSTEM

- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 50,000 hours
- Tested according to LM-79 and LM-80 standards
- Overload and short circuit protected
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional

LISTINGS

Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at

EXAMPLE: EVO SQ 35/10 4AR MWD LSS MVOLT EZ1

Series	Туре	Color temperature	Nominal lumen values	Aperture/Trim color	Finish	Voltage
EVO	SQ	27 / 2700 K 30 / 3000 K 35 / 3500 K 40 / 4000 K	07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens 25 2500 lumens 30 3000 lumens	4AR Clear 4PR Pewter 4WTR Wheat 4WR¹ White 4BR¹ Black	LSS Semi-specular LD Matte-diffuse	MVOLT 120 277 347 ²

Driver ³		Options			
EZ1	eldoLED ECOdrive 0-10V dimming driver. Minimum dimming range level 1%	SF ⁶ TRW ⁷	Single fuse White painted flange	BGTD ⁶ CP ⁶	Bodine generator transfer device Chicago plenum
EZB	eldoLED SOLOdrive 0-10V dimming driver. Minimum dimming level <1%.	TRBL ⁸	Black painted flange Emergency battery pack with	CRI90 RRL	High CRI (90+) RELOC®-ready luminaire connec-
EDAB	eldoLED SOLOdrive DALI dimming driver. Minimum dimming level <1%.	ELR ⁹	integral test switch Emergency battery pack with	_	tors enable a simple and consistent factory installed option across all ABL
EDXB	eldoLED POWERdrive DMX with RDM (remote device management). Minimum dimming level <1%. Includes termination resistor.	NPS80EZ	remote test switch nLight® dimming pack controls 0-10V eldoLED drivers.		luminaire brands. Refer to <u>RRL</u> for complete nomenclature.
EXA1	XPoint Wireless, eldoLED ECOdrive 1% dimming, 0-10V. Refer to XPoint tech sheet.	NPS80EZER ¹⁰	nLight® dimming pack controls 0-10V eldoLED drivers. ER controls		
EXAB	XPoint Wireless, eldoLED SOLOdrive <1% dimming, 0-10V. Refer to XPoint tech sheet.	WRS ¹¹	fixtures on emergency circuit. FIDO wireless monitoring and		
ECOS2 ^{4,5}	Lutron® Hi-lume® 2-wire forward-phase dimming driver. Minimum dimming level 1%		reporting system		
ECOS34	Lutron® Hi-lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%				

ACCESSORIES order as separate catalog numbers (shipped separately)

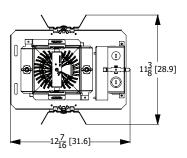
ISD BC 0-10V wallbox dimmer. Refer to ISD-BC.

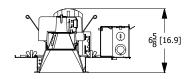


ELECTRICAL

NOTES

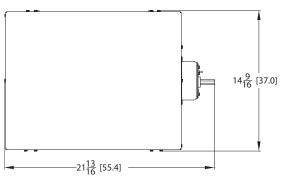
All dimensions are inches (centimeters) unless otherwise noted.

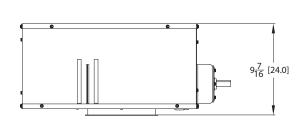




Aperture: 4-1/2 [11.4] Ceiling Opening: 5-1/8 [13] Overlap Trim: 5-1/2 [14]

DIMENSIONS FOR CHICAGO PLENUM





WATTAGE CONSUMPTION MATRIX								
LUMENS	LM ACTUAL	WATTAGE	LUMENS per WATT					
750	849	10.3	82.4					
1000	1,189	12.8	92.9					
1500	1,509	17.3	87.2					
2000	2,109	23.5	89.6					
2500	2,576	28.9	89.1					
3000	3,112	36.9	84.3					

E	EMERGENCY LUMEN OUTPUT									
LUMENS	WATTAGE	INITIAL OUTPUT								
750	9.6	1000								
1000	9.6	1000								
1500	9.6	1000								
2000	9.6	1000								
2500	9.6	1000								
3000	9.6	1000								

ORDERING NOTES

- 1. Not available with finishes.
- Not available with EL or ELR options.
- 3. Refer to <u>TECH-240</u> for compatible dimmers.
- 4. Not available with nLight® and XPoint options.
- 5. 120V only.
- 6. Specify 120V or 277V.
 - Not available with white reflector.

- 8. Not available with black reflector.
- For dimensional changes, refer to <u>TECH-140</u>. Access above ceiling required. Not available with 347V.
- 10. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- 11. Available only with EL/ELR. Not available with CP. PSSD2 included. Refer to PSSD2.



50% beam -44.2°

4.5 6.1 55.2 29.7 8.6 11.7

7.7 9.3

11.0

18.5 12.6 14.8 17.9

21.0

Inital FC Mounting Center Height

110.3

59.3 37.0 25.2

18.3

8.0

10.0

12.0 14.0 10% beam -75.7°

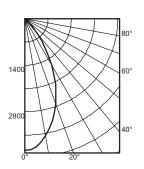
11.0 5.9 3.7 2.5



Distribution Curve Distribution Data Coefficient of Utilization Illuminance: Single Luminaire 30" Above Floor **Output Data**

EVO SQ 35/30 4AR LSS

INPUT WATTS: 36.9, DELIVERED LUMENS: 3185, LM/W=86.3, 0.82 S/MH, TEST NO. LTL27797

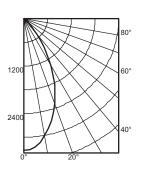


						ρı				20	//0										
						рс		80%			70%			50%							
	Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
0	3966		0° - 30°	2232.2	70.1	0	119	119	119	116	116	116	111	111	111			50% be		10% be	
5	3868	359	0° - 40°	2906.5	91.2	1	111	108	106	109	106	104	105	103	101			44.2	<u>2</u> °	75.8	3°
15	3177	882	0° - 60°	3181.5	99.9	2	103	99	96	101	98	95	98	95	93		Inital FC				
25	2184	991	0° - 90°	3183.4	99.9	3	96	91	87	95	90	87	92	88	85	Mounting	Center				
35	1078	674	90° - 120°	0.5	0.0	4	90	84	80	89	84	80	87	82	79	Height	Beam	Diameter	FC	Diameter	FC
45	301	246	90° - 130°	0.5	0.0	5	84	78	74	83	78	74	81	77	73	8.0	131.1	4.5	65.6	8.6	13.1
55	23	29	90° - 150°	1.2	0.0	6	79	73	69	78	73	68	77	72	68	10.0	70.5	6.1	35.3	11.7	7.1
65	0	1	90° - 180°	1.9	0.1	7	74	68	64	74	68	64	72	67	63	12.0	43.9	7.7	22.0	14.8	4.4
75	0	1	0° - 180°	3185.3	*100.0	8	70	64	60	69	64	60	68	63	59	14.0	30.0	9.3	15.0	17.9	3.0
85	0	0		Efficiency	,	9	66	60	56	65	60	56	65	59	56	16.0	21.8	11.0	10.9	21.0	2.2
90	0					10	62	57	53	62	56	53	61	56	53						

20%

EVO SQ 35/25 4AR LSS

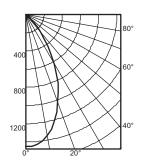
INPUT WATTS: 28.9, DELIVERED LUMENS: 2680, LM/W=92.7, 0.83 S/MH, TEST NO. LTL27796



						ρc		00%			10%			JU 70	
	Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	3337		0° - 30°	1878.8	70.1	0	119	119	119	116	116	116	111	111	111
5	3261	303	0° - 40°	2444.7	91.2	1	111	108	106	109	106	104	105	103	101
15	2675	743	0° - 60°	2675.2	99.8	2	103	99	96	101	98	95	98	95	93
25	1833	833	0° - 90°	2677.5	99.9	3	96	91	87	95	90	87	92	88	85
35	904	566	90° - 120°	0.7	0.0	4	90	84	80	89	84	80	87	82	79
45	251	206	90° - 130°	0.9	0.0	5	84	78	74	83	78	74	81	77	73
55	18	25	90° - 150°	1.6	0.1	6	79	73	69	78	73	68	77	72	68
65	1	1	90° - 180°	2.4	0.1	7	74	68	64	74	68	64	72	67	63
75	1	1	0° - 180°	2679.8	*100.0	8	70	64	60	69	64	60	68	63	59
85	0	0	*	Efficiency		9	66	60	56	65	60	56	65	59	56
90	0					10	62	57	53	62	56	53	61	56	53

EVO SQ 35/10 4AR LSS

INPUT WATTS: 12.9, DELIVERED LUMENS: 1226, LM/W=95, 0.86 S/MH, TEST NO. LTL27793



						pc
	Ave	Lumens	Zone	Lumens	% Lamp	pw
0	1451		0° - 30°	848.0	69.2	0
5	1433	134	0° - 40°	1109.6	90.5	1
15	1213	336	0° - 60°	1225.4	100.0	2
25	832	378	0° - 90°	1225.8	100.0	3
35	418	262	90° - 180°	0.0	0.0	4
45	126	102	0° - 180°	1225.8	*100.0	5
55	11	14	*	Efficiency		6
65	0	0				7
75	0	0				8
85	0	0				9
90	0					10

	pr				20	1%											
	рс		80%			70%			50%								
0	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%							
	0	119	119	119	116	116	116	111	111	111			50% be		10% be		
	1	111	108	106	109	106	104	105	103	101			45.4	l°	76.7	.0	
	2	103	99	96	101	98	95	98	95	92		Inital FC					
	3	96	91	87	95	90	86	92	88	85	Mounting	Center					
	4	90	84	80	88	83	79	86	82	78	Height	Beam	Diameter	FC	Diameter	FC	
	5	84	78	74	83	77	73	81	76	73	8.0	48.0	4.6	24.0	8.7	4.8	
	6	79	73	68	78	72	68	76	71	68	10.0	25.8	6.3	12.9	11.9	2.6	
	7	74	68	64	73	67	63	72	67	63	12.0	16.1	7.9	8.0	15.0	1.6	
	8	69	63	59	69	63	59	68	63	59	14.0	11.0	9.6	5.5	18.2	1.1	
	9	66	60	56	65	59	55	64	59	55	16.0	8.0	11.3	4.0	21.3	8.0	
	10	62	56	52	62	56	52	61	56	52							

LUMEN OUTPUT MULTIPLIER - CRI								
CRI FACTOR								
80 CRI	1							
90 CRI 0.79								

LUMEN OUTPUT M	LUMEN OUTPUT MULTIPLIER - CCT								
CRI	FACTOR								
4000 K	1.035								
3500 K	1								
3000 K	0.973								
2700 K	0.938								

LUMEN OUTPUT MULTIPLIER – TRIM FINISH								
FINISH	CLEAR (AR)	PEWTER (PR)	WHEAT (WTR)	GOLD (GR)	WHITE (WR/WRAMF)	BLACK (BR)		
Specular (LS)	1.00	0.88	0.83	0.95	N/A	N/A		
Semi-specular (LSS)	0.95	0.84	0.79	0.90	N/A	N/A		
Matte-diffuse (LD)	0.85	0.73	0.69	0.80	N/A	N/A		
Paint	N/A	N/A	N/A	N/A	0.87	0.73		

PHOTOMETRY NOTES

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.





Choose Wall Controls.

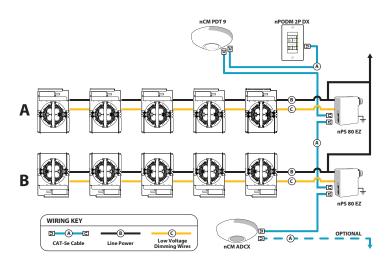
nLIGHT offers multiple styles of wall controls – each with varying features and user experience.



Push-Button WallPod Traditional tactile buttons and LED user feedback



Graphic WallPodFull color touch screen provides a sophisticated



EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

nPS 80 EZ Dimming/Control Pack (qty 2 required)
nPODM 2P DX Dual On/Off/Dim Push-Button WallPod
nCM ADCX Daylight Sensor with Automatic Dimming Control
nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

nLight® Control Accessories: Order as separate catalog number. Visit <u>www.sensorswitch.com/nLight</u> for complete listing of nLight controls.								
WallPod stations	Model number	Occupancy sensors	Model number					
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9					
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10					
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16					
Photocell controls	Model number	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX					
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model number					
		10', CAT5 10FT	CAT5 10FT J1					
		15', CAT5 15FT	CAT5 15FT J1					

